DEDICATED BLOCKCHAIN NODE DEVICES AND AUTOMATIC BLOCKCHAIN CONSTRUCTION METHODS AND APPARATUSES

ABSTRACT

One or more examples of the present disclosure provide a dedicated blockchain node device and an automatic blockchain construction method and apparatus thereof. The method can include: initiating, by a first dedicated blockchain node device, a certificate authority service to generate a root certificate, and broadcasting the root certificate in a network where the first dedicated blockchain node device is located; receiving, by the first dedicated blockchain node device, an authentication application initiated by a second dedicated blockchain node device in the network, and issuing a leaf certificate to the second dedicated blockchain node device based on the certificate authority service after the authentication application passes verification; determining, by the first dedicated blockchain node device, a blockchain node in a blockchain network, where the blockchain node includes the first dedicated blockchain node device and the second dedicated blockchain node device in the network with the leaf certificate issued by the service authorization service.

FIG. 1